श्रीमती कमला सिन्हा : मैडम, रि-स्ट्रक्चरिंग का पतलब क्या होता है, मैं जानना चाहूंगी ? ... (व्यवधान)

Potential of Hydro Electric Power Generation

*64. SHRI RAJNI RANJAN SAHU:†

SHRI SUSHIL KUMAR SAMBHAJIRAO SHINDE:

Will the Minister of POWER be pleased to state:

(a) what is the total hydro-electric power generation potential of Indian rivers and connected network in India;

(b) how far is it being utilised at present; and how much of it will further be put to use during the Eighth Five Year Plan period;

(c) which of the hydel power projects are presently lying half way; and which ones have been abandoned midway; and

(d) what are the reasons for abandonment/delay in each case?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI P. V. RANGAYYA NAIDU): (a) to (d) A Statement is laid on the Table of the House.

STATEMENT

(a) and (b) Central Electricity Authority has assessed the hydro-electric potential in India as 84044 MW at 60 per cent load factor. At present, hydro-electric capacity of 19,580 MW has been installed. The expected capacity addition during the Eighth Plan is 3864.65 MW.

(c) and (d) Out of 94 sanctioned Hydro-electric Projects, 13 Projects are progressing satisfactorily/nearing completion. 37 Projects are delayed and remaining 44 Projects are in preliminary stage of implementation. The details of these are given in the Annexure-I, II and III respectively.

Annexure-I

Projects progressing satisfactorily/Nearing completion.

(As on 1-12-1993)

Sl. No.	Name of Project/ State	Installed capacity MW
1		3
1.	Chamera St. I (NHPC) H.P.	3×180
2.	Nathpa Jhakri (NJPC) H.P.	6×250
3.	Kargil (J & K)	3×1.25
4.	Hasdeo Bango M.P.	3×40
5.	Koyna St. IV—Mah.	4×250
6.	Upper Silern II—A.P.	2×60
7.	Penna Ahobilam—A.P.	2×10

†Thequestion was actually asked on the floor of the House by Shri Rajni Ranjan Sahu.

1	2	3
8.	Mallapura—Karnataka	2×45
9.	Kallada—Kerala	2×75
10.	Eastern Gandak—Bihar	3×5
11.	Sone Eastern Canal (Bihar)	2×1.65
12.	Upper Rongnichu—Sikkim	4×2
13.	Bhira PSS (TATA)—Mah.	1×150

Annexure-II

(As on 1-12-1993)

Sl. No.	Name of Project/ State	Inst. Cap. (MW)	Original / Latest Comm. Sch.	Reason for delay
CENTRAL SECTOR				
1.	Dulharti (NHPC) J.K.	3×130	90-91 / 96-97	Law & order problem. Resumption of work at site by French Consortium.
2.	Salal II (KHPC) J & K	3×115	93-94 / 93—96	Civil works of tail race tunnel & unit erection.
3.	Uri (NHPC) J & K	4×120	95-96 / 96-97	Law & order problem.
4.	Tehri Stage-I (THEC) U.P.	4×250	81-82 / 9th Plan	Fund constraints
5.	Rangit III (NHPC) Sikkim	3×20	94-95 / 96-97	Fund constraints.
6.	Ranganadi (NEEPCO) Ar. Pr.	3×135	94-95 / 96—98	Fund constraints
	TOTAL	2680 MW		

Sanctioned/on-going H.E. Schemes (Installed Capacity above 3 MW) under implementation

(As on 1-12-1993)

Sl. No.	Name of Project	Inst. Cap. (MW)	Original / Latest Comm. Sch.	Reasons for delay
WESTERN REGION				
1.	Kadana PSS Extn.	2x60	85-86 / 95-96	Erection of TG Sets.
2.	Sardar Sarovar Guj./M.P./ Mah.	6x200 +5x50	94-97 / 95-98	Alternate source of financing in lieu of surrender of WB loan. Construction of mi dam & R & R problem.
3.	Bansagar Tons PH. II & III (M.P.)	2x15+ 3x20	89-91 / 96-97	Fund constraints & R&R problem of oustees of Bansagar Dam.
4.	Narmada Sagar (Indira Sagar) M.P.	8x125	97-98 / 99-2000 (Unit-1)	R & R problem and project finance.
5.	Rajghat UP/MP	3 x 15	95-96 / 96-97	Cash flow problem.
6.	Bhandardara St. II Mah.	1 x 34	89-90 / 94-95	Delay in civil works & unit erection.
7.	Manikdoh Mah.	1 x 6	89-90 / 94-95	Delay in PH civil works.
8.	Surya Mah.	1 x 6	89-90 / 94-95	Delay in PH civil works and erection of penstock.
9.	Warna Mah.	2x8	89-90 / 94-95	Delay in PH civil works.
	SUB-TOTAL	2767 MW		

Sanctioned/on-going H.E. Schemes under implementation

(As on 1-12-1993)

Sl. No.	Name of Project/ State	Inst. Cap. (MW)	Original / Latest Comm. Sch.	Reasons for delay
SOUTHERN REGION				
1.	Srisailam LBPH A.P.	6 x 150	93-95 / 96-99	Delay in civil works of HRT & TRT.
2.	Palimela A.P.	2 x 30	82-83 / 97-98	Inter-State dispute. Completion of PH civil works.

3.	Kalinadi II Karnataka	3x40 + 3x50	87-88 95-97	Cash flow problem. Slow progress of PH and dam civil works. Cancellation of KPCL portion of WP loan.
4.	Sharavathi TR (Gorusonpa) Ktk.	4 × 60	93-94 95-97	Cancellation of KPCL portion of World Bank loan.
5.	Lower Periyar Kerala	3 × 60	90-91 95-96	Contractual failure for civil works and fixing up of new contractor.
6.	Muvattusuzha Kerala	2 × 3.5	90-91 95-96	Delay in civil works.
7.	Kakkad Kerala	2 × 25	80-81 95-96	Labour problems and delay in civil works of power tunnel.
	TOTAL	1707 MW		

Sanctioned/on-going H.E. Schemes under implementation (Installed Capacity above 3 MW)

(As on 1-12-1993)

Sl. No.	Name of Project/ State	Inst. Cap. (MW)	Original/ Latest Comm. Sch.	Reasons for delay
EASTERN REGION				
1	Chandil, Bihar	2 × 4	90.91 95-96	Fund constraints, Supply and erection of the EOT Crane
2	North Koel, Bihar	2 × 12	87-88 94-95	Delay in civil works of TRT & Power House.
3	Upper Indravati, Orissa	4 × 150	86-88 94-97	Delay in civil works and cancellation of World Bank loan. Constitution of Construction Management Organisation (CMO). The project is under review by Foreign Consultants.
4	Potteru, Orissa	2 × 3	89-90 94-95	Fund constraints.
5	Rammam St. II W.P.	4 × 12.5	81-82 94-96	Delay in civil works and Fund constraints.
6	Teesta Falls I to IV, W.B.	3 × 3x7.5	90-92 94-96	Delay in civil works and fund constraints.
	TOTAL	755.5 MW		

Sanctioned/on-going H.E. Schemes (Installed capacity above 3 MW) under implementation
(As on 1-12-199

Sl. No.	Name of Project/ State	Inst. Cap. (MW)	Original Latest Comm. Sch.	Reasons for delay
	NORTHERN REGION			
1.	Baner H.P.	3×4	85—86 94—95	Completion of civil Works.
2.	Daj H.P.	3×3.5	86—87 94—95	Delay in civil works.
3.	Thirot H.P.	3×1.5	87—88 94—95	Delay in civil works.
4.	Ranjit Sagar (Thein Dam) Pun.	4×150	91—93 96—98	Land acquisition in J & K.
5.	Srinagar U.P.	6×55	91—92	Fund constraints cancellation of World Bank Loan and land acquisition problem.
6.	Sobla U.P.	2×3	93—94 94—95	Delay in civil works and unit erection.
7.	Maneri Bhali-II	4×70	89—90 97—98	Fund constraint.
	SUB-TOTAL	1267.00 MW		

Sanctioned/on-going H.E. Schemes (installed capacity above 3 MW) under implementation

(As on 1-12-1993)

Sl. No.	Name of the Project/ State	Inst. Cap. (MW)	Original Latest Comm. Sch.	Reasons for delay
	NORTH EASTERN REGION			
1.	Karbi Langpi (Lower Borpani) Asm.	2×50	85—86 95—96	Project handed over to a Joint Sector Company.
1.	Likim-Ro Nag.	3×8	93—94 94—95	Delay in major civil works.
	SUB TOTAL	124.00 MW		
	ALL INDIA TOTAL	9300 MW		
	Central Sector	2680 MW		
	State Sector	6620 MW		

Annexure-III

(As on 1-12-1993)

Sl. No.	Name of Project/ State	Inst. Cap. (MW)	Reasons for delay
CENTRAL SECTOR			
1.	Dauliganga St. I (NHPC) U.P.	4×70	Paucity of funds.
2.	Koel Karo (NHPC) Bihar	4×172.5 +1×20	Paucity of funds.
3.	Doyang (NEEPCO) Nag.	3×25	Funds constraints.
4.	Kopili Extn. (NEEPCO) Assam	2×50	Funds constraints.
	TOTAL :	1165	
NORTH EASTERN REGION			
1.	Nuvarang Ar. Pr.	3×2	Fund constraints.
2.	Dhansiri Assam	15×1.33	Law & order problems, slow progress of civil works and funds constraints.
3.	Dalaima Assam	3×2	Major works deferred to review techno-economic viability. Low priority by State Government.
4.	Serlui-B Miz.	2×4.5	Delay in award of works.
	TOTAL :	40.95	
NORTHERN REGION			
1.	Dadupur Har.	4×1.5	Inter-state dispute with U.P. for location of Hathnikund Barrage.
2.	Larji H.P.	3×42	Funds constraints.
3.	Upper Sindh II J & K	2×35	Law & order problem.
4.	Upper Sindh Extn. J & K	1×35	Law & order problem.
5.	Kishanganga J & K	3×110	The Govt. of J & K has approved the project. Indus water Treaty clearance awaited.
6.	Shahpurkandi Pun.	2×40+ 2×40 1×8	Recently sanctioned.
7.	Lakham Raj.	2×2.5	Scheme rejected by MOEF and revised capacity finalisation pending with RSEB.
8.	Lakhwar Vyasi U.P.	3×100 2×60	Funds constraints.
	TOTAL :	1160	

Sl. No.	Name of the Project/ State	Inst. Cap. (MW)	Reasons for delay
WESTERN REGION			
1.	Bodhghat MP	4×125	Forest clearance.
2.	Dudhganga Mah.	2×12	Delay in PH Civil Works.
3.	Dimbha Mah.	1×3	Delay in PH Civil Works.
4.	Ghatghar PSS Mah.	2×125	Recently sanctioned.
	TOTAL :	879	
SOUTHERN REGION			
1.	Guntur Canal I A.P.	2×2	Delay in fixing of Contractor.
2.	Guntur Canal II A.P.	2×25	Delay in appointment of Consultants.
3.	Singur A.P.	2×7.5	Slow progress of major civil works.
4.	Somasila A.P.	2×5	Recently sanctioned by State Government.
5.	Candeli Ktk.	2×30	Forest clearance.
6.	Brindavan Ktk.	2×6	Delay in start of works due to non-fixation of agency for execution.
7.	Bhadra RBC Ktk.	1×6	Delay in start of work due to non-fixation of agency for execution.
8.	Gangawali Ktk.	2×105	Work suspended for ecological problem since 80.
9.	Porirgal Kuthu Exten. Unit 4 Ker.	1×16	Fund constraints.
10.	Kuttiyadi Exten. Ker.	1×50	Delay in start of works.
11.	Pooyankutty Ker.	2×120	Forest clearance.
12.	Lower Bhavari RBC T.N.	2×4	Fund constraints.
13.	Sathanur Dam T.N.	1×7.5	Fund constraints.
14.	Kundah V Exten. T.N.	1×30	Fund constraints.
15.	Pykara Ultimate T.N.	3×50	Delay in award of civil works due to opposition by land owners. The case is sub-judice.
		813	
EASTERN REGION			
1.	Balimela II Ori.	2×60	Fund Constraints.
2.	Remnam St. I W.B.	3×12	Recently sanctioned.
		156	

Sl. No.	Name of Project/ State	Inst. Cap. (MW)	Reasons for delay
PRIVATE SECTOR :			
1.	Ghanvi H.P.	3×7.5	Leased to Private Agency.
2.	Uhl III H.P.	4×17.5	Leased to Private Agency.
3.	Vishruprayag U.P.	4×100	Leased to Private Agency.
4.	Bansagar Ph. IV M.P.	2×10	Recently sanctioned.
5.	Tawa LBC M.P.	2×6	Leased to Private Agency.
6.	Maheshwar M.P.	10×40	No delay.
7.	Anakkayam Ker.	2×4	Leased to Private Agency.
	TOTAL :	932.5 MW	

SUMMARY

TOTAL (CENTRAL SECTOR)	1165 MW
TOTAL (STATE SECTOR)	3040.95 MW
TOTAL (PRIVATE SECTOR)	932.50 MW
GRAND TOTAL	5146.45 MW

SHRI RAJNI RANJAN SAHU: I am glad to note that the Central Electricity Authority has assessed the hydro-electric potential as 84044 MW but the present installation is very dismal. It is only 19580 MW. The provision is also very low in the Eighth Five Year Plan.

Despite the fact that the cost of generation of hydro-electric power is the lowest among different means of generation, why is the Government not concentrating on its generation? This is part (a) of my question. Part (b) of my question is whether the Government of Bihar has submitted any scheme for tapping hydro-electric power, as we all know that Bihar has got enormous resources even for hydro-electric power generation.

SHRI P. V. RANGAYYA NAIDU: Madam, I agree with the hon. Member that hydro-electric power is definitely cheaper than thermal power. In fact, we depended a lot on hydro-electric power in the earlier Plan development. Only since 1963 the thermal power has gained more importance than the hydel power. There are a few factors. However, much you may like to generate hydel power, there are certain practical difficulties in taking up hydro-electric power projects. Firstly, for hydro-electric power projects the gestation period is very long. Then we have problems of submersion and rehabilitation. Land acquisition is also a problem because of escalation in land prices. Quite a number of projects are held up due to inter-state disputes. Then there are

problems of environment. So, as far as basic cost of construction is concerned, hydel power project has become equal to the thermal power project, though as I said earlier, the cost of generations is cheaper.

As regards the proposal from the Government of Bihar, we have two proposals—one is Koel Karo. It could not be implemented because there are problems of land acquisition. There is the problem of rehabilitation also. The other project is at Chandel. It is being implemented by the State Government but the progress is slow due to financial constraints. Instead of a hydel project, a thermal project is proposed at Chandil by a private party of the RPG group of Calcutta. No hydro-electric power project is pending for clearance in the Ministry of Power.

SHRI RAJNI RANJAN SAHU: May I know whether the response of the private entrepreneurs for participation in joint venture for hydro-electric power generation has been very poor? If so, what are the reasons, why are the private entrepreneurs not coming forward to participate? Are there any difficulties at the Government level?

SHRI P. V. RANGAYYA NAIDU: At the moment we have 7 projects in private sector.

SHRI RAJNI RANJAN SAHU: The response is poor.

SHRI P. V. RANGAYYA NAIDU: I have given the reason earlier. They stand good even for the private sector. No private sector party is prepared to take up Hydel projects and get embroiled in Inter-State water dispute and other problems. So they prefer thermal power projects. Moreover, they have a long gestation period. That is why the reasons given by me hold good, mutatis mutandis, for the private sector also. However, some proects are there and efforts are being made to expedite them.

THE DEPUTY CHAIRMAN: Question Hour is over.

WRITTEN ANSWERS TO QUESTIONS

स्टेट बैंक आफ इन्दौर के घपले

*65. **श्री राम नरेश यादव :** क्या वित्त मंत्री यह बताने की कृपा करेंगे कि :

(क) सरकार द्वारा पिछले तीन वर्षों के दौरान वर्ष-वार स्टेट बैंक आफ इन्दौर की शाखाओं में घपलों तथा इसके कर्मचारियों से संबंधित मामलों के संबंध में संसद-सदस्यों से कितने पत्र/अभ्यावेदन/ज्ञापन प्राप्त किए गए हैं;

(ख) इसमें से कितने मामलों मे पावती या अंतिम उत्तर अब तक भेजे गए हैं;

(ग) कितने पत्रों का अंतिम उत्तर दिया जाना अभी शेष है; और

(घ) कितने मामले अब तक निपटा दिए गए हैं और कितने मामलों में अंतिम उत्तर जांच पूरी न होने के कारण लंबित हैं ?

वित्त मंत्रालय में राज्य मंत्री और संसदीय कार्य मंत्रालय में राज्य मंत्री (डा० अबरार अहमद) : (क) से (घ) उपलब्ध रिकार्ड के अनुसार, वर्ष 1991, 1992 और 1993 (30.11.1993 तक) के दौरान वित्त मंत्रालय, आर्थिक कार्य विभाग, बैंकिंग प्रभाग में सरकार को स्टेट बैंक आफ इन्दौर के कार्मिक मामलों और धोखा-धड़ियों आदि के मामले के बारे में संसद सदस्यों से प्राप्त पत्रों/आवेदनों/ज्ञापनों की संख्या क्रमशः 33, 63 और 48 रही है। इन सभी पत्रों की प्राप्ति सूचना भेजी गई है। 1993 के दौरान प्राप्त पत्रों